

BOBROWSKA, Jadwiga

White blood cells with special reference to eosinophils in peripheral blood following Swieradow radon water therapy. Polskie arch. med. wewnetrz. 24 no.5a:906-914 1954.

1. Z Osrodku Naukowo-Leczniczego w Swieradowie Zdroju. Kierownik:  
naukowy: prof. dr. E.Szczeklik.  
(EOSINOPHIL COUNT,  
eff. of mineral water)  
(MINERAL WATER, effects,  
on eosinophil count)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWSKA-NOWAK, Wanda

Progressive social trend between world wars in the journal  
"Opieka nad dzieckiem." Pediat. Pol. 40 no.9:1001-1010 S '65.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

BOBROWSKI,A

A reminder in the field of lumbering. p.42

LAS POLSKI. (Ministerstwo Leśnictwa oraz Stowarzyszenie Naukowo-Techniczne  
Inżynierów i Techników Leśnictwa i Drzewnictwa) Warszawa, Poland  
Vol. 29, no.4, Apr. 1955

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.2 Feb. 1960

Unc1.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWSKI, A.

An apparatus for conducting reactions between gases and liquids.  
Przem chem 41 no.8:468 Ag '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWSKI, A.

Improved ion exchanger. Przem chem 41 no.11:663 N '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWSKI, A.

Apparatus for the production of DDT. Przem chem 41 no.11:663 N 162.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWSKI, A.; PALION, K.

The Montecatini Exhibition in Warsaw. Przem chem 41 no.7:  
403-404 J1 '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

SPIEGHOWICZ, Eugeniusz; BOBROWSKI, Antoni

Prostodontic and surgical procedures for immediate prosthesis.  
Czas. stomat. 18 no. 12:1395-1399 D ' 65.

1. Z Kliniki Protetyki Stomatologicznej AM w Warszawie (Kierownik: prof. dr. J. Galasinska-Landsbergerowa) i z Kliniki Chirurgii Stomatologicznej AM w Warszawie (Kierownik: prof. dr. M. Gorski).

ACC NR: AP6034497

(N)

SOURCE CODE: P0/0053/66/000/010/0487/0491

AUTHOR: Bobrowski, Czeslaw; Chruscic, Edward

ORG: Institute of Nuclear Engineering, AGH, Krakow (Instytut Techniki Jadrowej AGH)

TITLE: Technology of deuterium-tritium neutron tubes

SOURCE: Przeglad elektroniki, no. 10, 1966, 487-491

TOPIC TAGS: fast neutron, deuterium, tritium

ABSTRACT: The paper discusses the technology of production of tubes generating neutrons by the T(d,n) $\alpha$  reaction. The technological process of production was divided into the following three stages: (1) manufacture of all the tube parts in accordance with the requirements of vacuum electronics, certain special conditions being maintained because of the presence of titanium containers, (2) introduction of the tritium target into the tube and filling of the titanium containers with deuterium, and (3) adaptation of the neutron tube to operation at high voltage and generation of neutrons. The constructed neutron tube is ready for operation as a source of fast neutrons. Use is made of standard Soviet zirconium-on-tungsten targets 14.2 mm in diameter and an activity above 10 C. If the ion current is maintained at 100  $\mu$ A and the energy of deuterons at 100 keV, the neutron yield is more than  $10^8$  n/sec. A dismountable neutron tube was constructed in accordance with the design of the Institute of Nuclear Engineering, AGH (Instytut Techniki Jadrowej AGH) by the Wroclaw Section

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UDC: 621.389

ACC NR: AP6034497

of the Industrial Electronics Institute (Przemyslowy Instytut Elektroniki, Oddzial Wroclawski), for which the authors are grateful, particularly to Master Engineer T. Fljewski. Orig. art. has: 2 figures and 1 formula.

SUB CODE: 20/ SUBM DATE: 11Jun66/ ORIG REF: 004/ OTH REF: 002

Card 2/2

POL. 2

3388 000.01.2-01.22 : 601.000.003  
Iwanski S., Bobrowski C. *Mobile Prefabrication Factories*.  
"Ruchome zakłady prefabrykacyjne". *Przegląd Budowlany*, No. 3,  
1954, pp. 77-81, 3 figs.

1954, pp. 77-81, 3 figs.

Prefabricated concrete elements require a considerable time for

### **REFERENCES**

hardening and considerable care in transport. Steam-curing equipment curtails the seasoning period. Transport difficulties can be avoided by manufacturing such elements as are particularly susceptible (brama) in small, mobile prefabrication plants working on the building site. The most essential element of equipment required for this purpose is the low-pressure steam curing plant closely cooperating with a technical laboratory. The article describes this part of the equipment in detail.

BOBROWSKI, Czeslaw; CHRUSCIEL, Edward; OSTROWSKI, Kazimierz

Structure of nickel filter and titanium container for deuterium  
and tritium. Przegl elektroniki 5 no.8:406-411 Ag. '64.

1. Institute of Nuclear Technology, School of Mining and Metallurgy,  
Krakow.

31769-61 DT(u)/DT(o)/DT(t)/DT(l) Pr-L/Pad DIAAP/ISF(c) JD/HM

ACCESSION NR: AF4046797

P/0053/64/000/008/0406/0411

AUTHOR: Bobrowski, C.; Chrusciel, E.; Ostrowski, K.

TITLE: Construction of a nickel filter and titanium container for deuterium  
and tritium

SOURCE: Przeglad elektroniki, no. 8, 1964, 406-411

TOPIC TAGS: nickel filter, deuterium container, tritium container, gas diffusion,  
selective diffusion, hydrogen isotope production, radiation detector, water  
electrolysis

ABSTRACT: The paper describes an attempt to use the selective diffusion of gases through metals for the production of small quantities of hydrogen, deuterium and tritium for use in accelerators and nuclear radiation detectors. Selective diffusion of gases in metals is briefly discussed. A container for H, D and T of very simple construction and using titanium-coated spirals is illustrated and briefly described. The container will probably be very useful for investigations which require storing and accurate dosing of gaseous tritium. A nickel filter of simple construction for the purification and dosing of hydrogen and deuterium is shown in Fig. 1 of the Enclosure. The nickel tube 1, 2 mm in diameter and 0.1 mm in wall thickness, is soldered using a vacuum solder (Ag-Cu) to kovar containers 2. Cord 1/4

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ACCESSION NR: AP4046797

The latter are soldered to a glass cylinder 3 which is directly connected to the gas-receiving apparatus. The glass cylinder 5 is part of an electrolyzer of ordinary, heavy or tritiated water. The stop cocks 4 make it possible to clean and evacuate the nickel tube. Electric current is supplied through the clamps 6. For the current source a transformer with an output of a few volts and supplying at least 20 amperes, or a suitable accumulator, can be used. The electrolyzer has nickel or platinum electrodes. The heavy water contains a suitable amount of potassium. In order to increase the purity of the deuterium delivered, the electrolyzer can be cooled to 4°C. The dependence of the amount of hydrogen

produced by the filter on the current intensity flowing in the nickel tube (for a pressure difference of 1 atm.) was obtained and is shown in Fig. 2 of the Enclosure. The temperature of the tube was measured by its glow. The result obtained is in good agreement with other published data. "The nickel filter and the titanium container for H, D and T were designed by the Instytut Techniki Jadrowej (Institute of Nuclear Technology) and fabricated by the Przemyslowy Instytut Elektroniki (Industrial Institute of Electronics) in Wrocław, for which we thank Eng. W. Czarczynski." Orig. art. has: 3 figures and 1 formula.

ASSOCIATION: Instytut Techniki Jadrowej AGH (Nuclear technology institute, AGH)

SUBMITTER: 21Feb64  
NO. REF. OR/NP: 001  
Card: 2/

ENCL: 02  
OTHER: 009

SUB CODE: IC,NP

"APPROVED FOR RELEASE: 06/09/2000

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ACCESSION NR: AP4046797

ENCLOSURE: 01

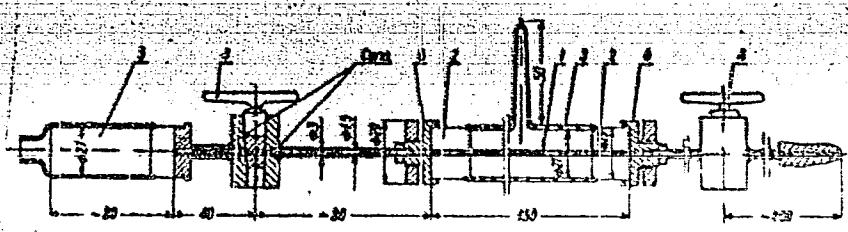


Fig. 1. Nickel filter

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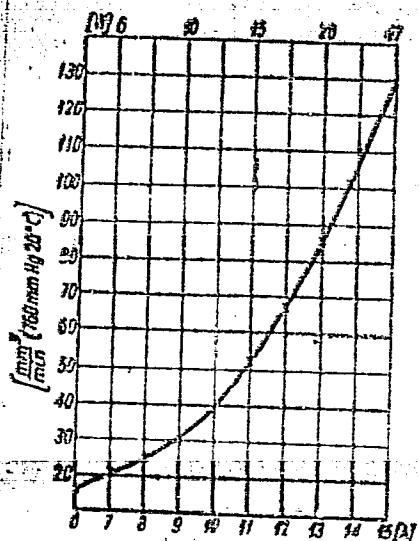
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Fig. 2. Dependence of the transmitted hydrogen or current density in the nickel tube; a temperature of about 600°C was measured for the point corresponding to 15 amperes.



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A060/A000

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AUTHORS: Bobrowski, D., Ratajczak, Z., Wiśniewski, H.

TITLE: On an approximate solution of a second-order linear differential equation

PERIODICAL: Referativnyy zhurnal, Matematika, no. 11, 1962, 30, abstract 11V133  
(Zesz. nauk. Politechn. poznańsk. Mechaniz. i elektryf. roln., s.  
a., no. 3, 183 - 196; Polish; summaries in Russian, English) ✓TEXT: An approximate solution is derived for the differential equation (1)  
$$\ddot{x} + f(t) \dot{x} + g(t) x = 0$$
  
for the finite interval  $[0, t_1]$ , in which  $f(t)$  and  $g(t)$  are continuous functions of the real variable  $t$  and satisfy the condition  
$$g(t) > \frac{1}{4} [ |f(t)| + \beta^2 ] + \gamma,$$

where

$$\beta = \frac{1}{2} \left[ \sup_{0 \leq t \leq t_1} f(t) - \inf_{0 \leq t \leq t_1} f(t) \right],$$

Card 1/2

On an approximate solution of a second-order ...

S/044/62/000/011/039/064  
A060/A000

$$\gamma = \frac{1}{2} \left[ \sup_{0 \leq t \leq t_1} g(t) - \inf_{0 \leq t \leq t_1} g(t) \right].$$

The result yields the approximate solution of the form

$$\bar{x}(t) = \bar{A}_0 \exp \left[ -\frac{1}{2} \int_0^t f(\tau) d\tau \right] \sin \left\{ \frac{\omega^2}{2k} t + \bar{\alpha}_0 - \right. \\ \left. - \frac{1}{2k} \int_0^t [\delta f(\tau) - g(\tau)] d\tau \right\}, \quad 0 \leq t \leq t_1,$$

which may differ arbitrarily little from the exact solution of equation (1) provided that  $\beta t$  and  $\gamma t$  are sufficiently small.

[Abstracter's note: Complete translation]

I.A. Kovalev

Card 2/2

Bobrowski, H.

30

POLAND

KULESZA, Aleksandra of the Department of Epidemiology (Zaklad Epidemiologiczny) of the PZH /Panstwowy Zaklad Higieny -- State Institute of Hygiene/, Director: Prof Dr F. PRZESMICKI, Head of the Department: J. KOSTRZEWSKI; J. GOLBA, T. JOPKIEWICZ, M. LACPRZAK, W. KOCIELSKA, K. LIPINSKA, R. LUTYNIAK, J. MAKAREWICZ, S. PIESKA, T. RODKIEWICZ, W. SOGZEWICZA, S. SZCZELNIAK, D. ZOLNIERKOWA all of the WSEE /Wojskowe Stacje Sanitarne-Epidemiologiczne -- Wojewodztwo Health and Epidemiology Stations/; H. BOBROWSKI, A. GROCH, J. GELBR, E. JUJNA, J. KUROCIKIN, J. SIGNATOWICZOWA, Z. SZCZERSKA, K. SZCZYGIELSKA, K. SWICOWA, R. WARZOMA of the Departments of Poliomyelitis Patients (Oddzialy dla Chorych na Poliomyelitis) of the WSEE; H. DOBRONOLSKA of the Department of Virology (Zaklad Virusologii) of PZH, Director: Prof Dr F. PRZESMICKI; J. ADAMSKI (Poznan), H. DOBRONOLSKA (Warsaw), J. BOCHENSKA (Lodz), M. KOENIG (Krakow), H. MAKOWER (Wroclaw), F.Z. TAYTECH (Warsaw) of the PZH; technical aid of A. BAGINSKA of the PZH.

"Safety of Immunization with the Attenuated Polio Virus ..]

1/2

POLAND

Strains Type 1 Chat and Type 3 W Fox<sup>11</sup>

Warsaw, Priegléd Epidemiologiczny, Vol XVI, No 4, 62, pp 377-388.

Abstract: Author's English summary modified. An epidemiical, clinical and virological analysis of poliomyelitis in Poland was made with 6 weeks after completion of oral immunization with polio virus type 1 Chat and type 3 W Fox. Investigations made in 1959 and 1960 show the complete safety of Koprowski's attenuated oral vaccine type 1 Chat. The strain 3 W Fox is indicated as a pathogenic one and its uncertain safety found by investigations in 1960 has been confirmed. 3 tables; 2 diagrams; 9 references, 2 Polish the rest Western.

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BOBROWSKI, H

35

POLAND

KULESZA, Aleksandra: Department of Epidemiology (Zaklad Epidemiolegii), PZH /Panstwowy Zaklad Higieny -- State Institute of Hygiene/. Director: Prof Dr J. KOSTRZEWSKI, Head of the Institute: Prof Dr F. PRZESMYCKI; with the collaboration of J. GOLEA, T. JOPKIEWICZ, M. KACPRZAK, W. KOCIELSKA, M. KOPEC, K. LIPINSKA, R. LUTYNSKI, J. MARAREWICZ, H. MALYSZKO, K. NEYMAN, A. OLES, S. PESKA, K. POPIELEWICZ, T. RODKIEWICZ, J. ROZWADOWNA, W. SOCZEWICA, S. SZCZESNIAK, D. ZOLNIEWICZ, all of the Wojewodztwo Health and Epidemiological Stations (Wojewodzkie Stacje Sanitarno-Epidemiologiczne); H. BOBROWSKI, A. GECOW, J. GELBER, M. GRUSZCZYNSKA, H. JASTRZĘBSKA, E. JUZWA, J. KUROCZKIN, Z. RESZKE, R. STANCZYK, J. SYGNATOWICZOWA, Z. SZCZERSKA, K. SZCZYGIELSKI, S. SZYNDLAR, K. SWICOWA, J. WAJSZCZUK, R. WARZELINA all of the Departments of Poliomyelitis Patients (Oddzialy dla Chorych na Poliomyelitis) of the Wojewodztwo Health and Epidemiological Stations: J. ADAMSKI (Poznan), H. DOBRONOLSKA (Warsaw), J. BOCHENESKA (Lodz), M. KOENIG (Krakow); H. DOBROWOLSKA of the Department of Virology (Zaklad Wirusologii) of PZH,

1/2

POLAND

Director: Prof Dr F. PRZESMYCKI, technical aid: A. BACINSKA

"Epidemic Situation of Poliomyelitis in Poland in 1961"

Warsaw, Przeglad Epidemiologiczny, Vol XVI, No 4, 1962,  
pp369-375.

Abstract: Authors' English summary modified/ The profound influence on the epidemiology, etiology and clinical picture of poliomyelitis of the introduction of mass immunization with attenuated polio vaccines in 1959 is discussed. Observations on the influence and effect of immunizations with such vaccines on the epidemic situation of poliomyelitis in Poland are reported. 4 tables, 2 diagrams; 5 Polish references.

[2/2]

BOBROWSKI, Henryk; TAYTSCH, Florentyna Zofia

An epidemic of lymphocytic meningitis caused by ECHO virus,  
type 4. Przegl. epidem. 17 no.4:301-306 '63

1. Ze Szpitala Wojewódzkiego im. Mikołaja Kopernika w Ol-  
szynie (ordynator: lek. med. Henryk Bobrowski) i z Za-  
kladu Wirusologii PZH w Warszawie (kierownik: prof.dr.  
F.Przesmycki.)

\*

LENKIEWICZ, Edward; BOBROWSKI, Henryk; GORALSKI, Henryk

A case of cephalic tetanus following injury of the eye. Klin.  
oczna 33 no.2:235-238 '63.

l. Z Oddzialu Ocznego Ordynator: lek. med. E. Lenkiewicz Z  
Oddzialu Zakaznego Ordynator: lek. med. H. Bobrowski Szpitala  
Wojewodzkiego w Olsztynie Dyrektor: dr med. Z. Kozlowski.  
(EYE INJURIES) (TETANUS) (FACIAL PARALYSIS)  
(CONJUNCTIVA)

BOBROWSKI, Henryk; DAROCHA, Tadeusz; GREGOR, Anita

Diagnostic and therapeutic difficulties in intermittent porphyria. Pol. tyg. lek. 19 no.45:1740-1741 N 9'64

1. Z Oddzialu H-M Szpitala Wojewodzkiego im. Mikolaja Kopernika w Olsztynie (Ordynator: lek. med. H. Bobrowski) i z Pracowni Analityczno-Chemicznej Oddzialu Chirurgicznego Instytutu Hematologii w Warszawie (Kierownika dr. med. T. Darocha).

BOBROWSKI, I.

BOBROWSKI, I. Changes as to the principles of drafting safety appliances in railroad traffic  
p. 304

Vol. 8, no. 8, A ug. 1956

PRZEGLAD KOLEJOWY

TECHNOLOGY

Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

SZCZEPANSKI, J.

Preparation for electrotechnic service. p. 371. (PRZEGLAD KOLEJOWY, Vol. 5,  
No. 10, Oct. 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.  
1954, Uncl.

BODRCWSKI, J.

The use of gas turbines in railroading.

P. 284, (Przeglad Kolejowy Mechaniczny. Vol. 8, no. 9, Sept. 1956, Warszaw, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

BOBROWSKI, J?

"Concrete used in installations for the protection of train traffic. (To be contd.) Przeglad Elektr. Dodatek."

p. 174 (Przeglad Kolejowy Elektrotechniczny) Vol. 9, no. 11, Nov. 1957  
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

BOBROWSKI, J.

Electric conductance of reinforced-concrete ties.

P. 59. (PRZEGLAD KOLEJOWY ELEKTROTECHNICZNY) (Warszawa, Poland) Vol. 9, no. 2,  
Feb. 1957

SO: Monthly Index of East European Accession (EEAI) I.C Vol. 7, No. 5, 1958

BOBROWSKI, J.

Electric conductivity of reinforced concrete ties. p.149.

(PRZEGŁAD KILEJOWY DROGOWY. Vol. 9, No. 7, July 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

BOBROWSKI, J.

The effect of electric traction installations on track circuits. p. 121.

PRZEGLAD KOLEJOWY ELEKTROTECHNICZNY. (Wydawnictwa Komunikacyjne) Warszawa,  
Poland, Vol. 11, no. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

BOBROWSKI, J.

The Seven-Year-Plan of development of traffic and communication safety installations on Soviet railroads, 1959-1965. p. 158.

PRZEGLAD KOLEJOWY ELEKTROTECHNICZNY. (Wydawnictwa Komunikacyjne) Warszawa, Poland, Vol. 11, no. 5, May 1959.

Monthly list of East European Acquisitions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWSKI, Jozef, mgr., inz.

Radio-telephone communication with a moving train in French rail-  
roads. Przegl kolej electrotechn 13 no.10:302-305 '61.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWSKI, J., mgr., inz.

ORE activities. Przegl kolej electrotechn 13 no.10:315-316 '61.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

BOBROWSKI, Jozef, mgr.,inz.

Control room centralization on Soviet railroads. Przegl kolej  
elektrotechn 13 no.11:322-325 '61.

BOBROWSKI, Jozef, mgr inz.

Mechanization and automation of the humps of the U.S.A.  
railroads. Przegl kolej elektrotech 13 no.2:50-52 F '61.

BOBROWSKI, Jozef, mgr inz.

Influence of the traction current upon the work of cab  
signaling installations. Przegl kolej elektrotech 13  
no.2:55-57 F '61.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWSKI, J., mgr inż.

Remote control installations of the Italian railways.  
Przegl kolej elektrotech 13 no.3:84-86 Mr '61.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

BOBROWSKI, Jozef, mgr ins.

Training of the engineering and technical staff of the railroads of the German Democratic Republic. Przegl kolej elektrotech 13 no.5:156-157 5 My '61.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

DOBROWSKI, Jozef, mgr ins.

Track circuits without insulated rail joints. Przegl kolej  
elektrotech 13 no.3:95, Mr '61.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

BOBROWSKI, Jozef, inz.

Signaling instruments and the charts of the International Railway  
Union (UIC). Przegl kolej elektrotech 14 no.11:346 N '62.

BOBROWSKI, Józef, mgr inż.

Distant control of train traffic by radio. Przegl kolej  
elektrotech 10 [i.e.15] no.11:335-336 N°63.

BOBROWSKI, Jozef, mgr inz.

The state railways in Japan. Przegl kolej elektrotech 10 [i.e. 15]  
no.10:300-302 O '63.

BOBROWSKI, Jozef, mgr inz.

New installations for automatic switching of cars in the Montreal,  
Canada, Railroad Station. Przegl kolej elektrotech 11 no.1:31-32  
Ja '64.

BOBROWSKI, Jozef, mgr inz.

Problem of recruiting and instructing railway personnel according  
to the suggestions of the Railway Congress in Munich in 1962.  
Przegl kolej elektrotech 11 [i.e. 16] no.2:63-64 F '64.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWSKI, Jozef

Railroad Congress in Munich in 1962. Przegl kolej elektrotech  
15 no. 6:176-3 of cover Je '63.

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"APPROVED FOR RELEASE: 06/09/2000

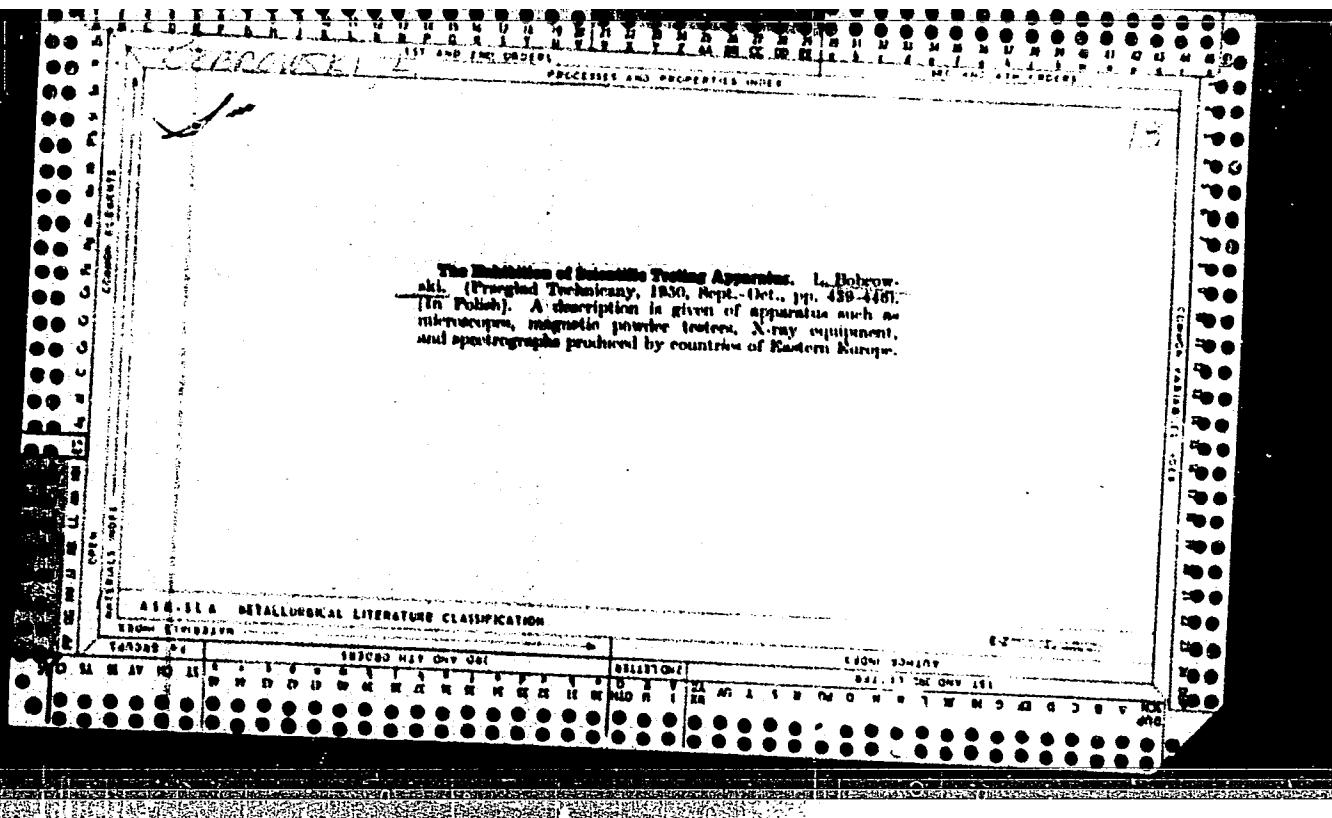
CIA-RDP86-00513R000205710005-1

BOBROWSKI, Jozef, mgr inż.

International Transportation Exhibition. Przegl kolej elektrotech  
ll no.12: 3 of cover D '64.

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BUBROWSKI, Lech:

POLAND

"The Atomic Weapon & Antiatomnic Defense," O Energii Atomowej, Min. of National Defense, Warsaw, 1955, pp 54-73.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

L-13143-63

EWT(m)/BDS/ES(w)-2 AFFTC/ASD/ESD-3/SSD Pab-4 IJP(C)

P/046/63/008/001/001/001

68

66

## AUTHORS:

Bobrowski, L.; Wilhelm, Z.; Górska, E.; Marcinkowski, A.;  
Sotnik, A.; Jaskols, M.

## TITLE:

"Lech" pressurized electrostatic accelerator /9

PERIODICAL: Nukleonika, v. 8, no. 1, 1963, 1-28

## TEXT:

This paper describes a 3 Mev pressurized electrostatic accelerator developed and constructed at the Zakład (I-A) Fizyki Jądra Atomowego (Laboratory of Atomic Nucleus Physics) of the Instytut Badań Jadrowych (Nuclear Research Institute) in Warsaw, in collaboration with the Katedra Fizyki Jądra Atomowego Uniwersytetu Warszawskiego (Department of Nuclear Physics of Warsaw University). The described apparatus is a vertical van de Graaf generator operating in air or in a 70% N<sub>2</sub> and 30% CO<sub>2</sub> mixture. Operating pressure does not exceed 16 atm (6 atm in air). Its maximum potential, obtained without calming tube, is 3000 kV + 5%. The generator produces 2500 kv and its natural voltage stability is about 1%. This value can be corrected to 0.1% by means of a rotary voltmeter and corona tube. The maximum short circuit current in air at atmospheric pressure is 600  $\mu$ A.

Card 1/4

L 13143-63

P/046/63/008/001/001/004

"Lech" pressurized electrostatic accelerator

The target current is 50  $\mu$ A, whereby the beam trace does not exceed 10 mm. At smaller currents the beam can be reduced to 2-3 mm. The vacuum in the tube is not less than  $5 \cdot 10^{-6}$  mm Hg without ion beam and better than  $5 \cdot 10^{-5}$  mm Hg with beam in calming tube. Nuclear reactions were produced in January 1961. These were  $\text{Li}^7(p,\gamma) \text{Be}^7$  and neutrons of  $\text{Li}^7(p,n) \text{Be}^7$ .

Card 2/4

L 13143-63

P/046/63/008/001/001/001

"Lech" pressurized electrostatic accelerator

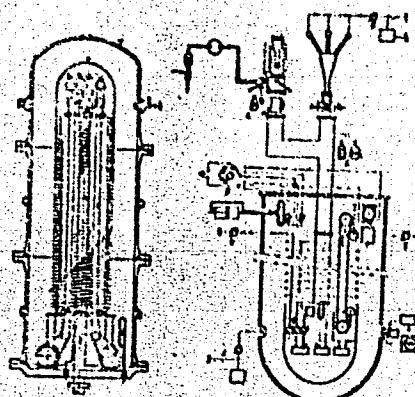


Fig. 1. Principle diagram of accelerator

Fig. 2. Accelerator measuring circuit

1-electrostatic ion source; 2-calming tube; 3-band; 4-engine; 5-spray points; 6-cooling coil; 7-recharging points; 8-corona tube; 9-rotary voltmeter; 10-viewing window; 11-high-voltage electrode; 12-pile.

Card 3/4

L 13143-63

P/046/63/008/001/001/004

2

"Lech" pressurized electrostatic accelerator

Orig. art. has 5 graphs, 16 photos and 28 references (no Polish,  
6 Soviet, 22 other).

ASSOCIATION: Nuclear Research Institute, Warsaw; Warsaw University

SUMMITTED: September 1, 1962

Card 4/4

COUNTRY	: Poland
CATEGORY	: Cultivated Plants. Industrial. Oleiferous. M Sugar.
ABS. JOUR.	: RZhBiols, No. 3, 1959, No. 11074
AUTHOR	: Bobrowski, St.
INST.	: -
TITLE	: Tobacco Variety Virginia Should Be Planted on More Fertile Soils.
ORIG. PUB.	: Wiadom. tyton., 1958, 2, No. 3, 43.
ABSTRACT	: A much larger yield of tobacco was secured on loessa and especially thick sandy loams than on poor sandy soils.
CARD: 1/1	

92140

37344  
S/194/62/000/003/011/066  
D230/D301

AUTHOR: Bobrowski, Witold

TITLE: Induction electrodynamic relay

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 3, 1962, abstract 3-2-35f (Instytut Elektrotechniki.  
Pol'sk. pat., kl. 21g, 1/05, no. 43502, 5.11.60)

TEXT: Describes a patent of a compensating electrodynamic relay  
consisting of a core, in which two opposite-polarity currents are  
flowing; a frame made from a conducting material is placed under the  
influence of both currents. The relay has a supplementary winding,  
short-circuited or terminated in a given resistance; the winding  
prevents the action of one of the currents on the frame, whilst  
taking control of the other current. The closing of the compensat-  
ing coil is performed by capacity; in this way full compensation  
of the frame moment, caused by one of the currents, is possible.  
/ Abstracter's note: Complete translation. ✓

Card 1/1

BOBROWSKI, Wladyslaw

The use of the material from the core and core shell for the purpose  
of determining the content of useful ingredients. Przegl geol 8  
no.10:529-532 O '60. (EEAI 10:9)

1. Uniwersytet Warszawski.

(Rocks)

BOBRONSKY, Wladyslaw; SOBIS, Halina

Angiomatosis of the thigh in a 13-year-old child. Pat. vol. 15  
no. 28235-218 Ap-Je '64

1. Z III Kliniki Chirurgicznej Wojskowej Akademii Medycznej w  
Lodzi (Kierownika dr. med. S. Chmielewski) i z Pracowni  
Anatomopatologicznej Szpitala imeni K. Jonschera w Lodzi  
(Kierownika dr. med. H. Sobis).

CP

8

The occurrence of small amounts of manganese in Mier-  
zawa near Jedrzejow, southern Poland. Wladyslaw Bo-  
lowinski, Państwowe Stosy Geol., Państwowy Inst. Geol.  
Serv. geol. Polonie, Inst. geol. Polonie), Biul. 58, 3-4  
(1949) (English summary).—An analysis is given of Mn<sup>2+</sup>  
from a small deposit in siliceous marls. M. Ple'.

BOEROWSKI, W.

"Relationship between the size of gravel deposits and the method of their  
exploitation," Materiały Budowlane, Warszawa, Vol 9, No 1, Jan. 1954, p. 202.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

SOBPOWSKI, W.

"Influence of geologic conditions on the profitability of exploiting deposits." p. 12, (PREZEGLAD GEOLOGICZNY No. 1, Jan. 1955. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No.4.  
April 1955. Uncl.

TOURNAI, BELGIUM

Włodzimierz Bobrowski, Jerzy Schroeder, and Stanisław Stopa: "Influence of Addition of an Eutectic Mixture of  $\text{CaCl}_2 - \text{CaF}_2$  on the Initiation Temperature and Kinetics of Calcium Carbide Nitrogenation," Roczniki Chemii, Vol 30, No 1, Warsaw 1956, Published from the Chair of Inorganic Technology, Wrocław Polytechnic, 1 Jul 55.

BOBROWSKI, W.

The influence of changing properties of ores on the distribution of test excavations.  
p. 196.

PREZEGLAD GEOLOGICZNY. Wydawnictwa Geologiczne. Warszawa, Poland, Vol. 7, No. 5,  
May, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959.  
Uncl.

BOBROWSKI, Wladyslaw; KOCISZEWSKA-MUSIAL, Genowefa

An analysis of gravel from the Dunajec River between the Tatra Mountains and the Pieniny against the background of the morphology and geology of that region. Kwartalnik geol 3 no.2:391-414 '59.

1. Zaklad Geologii i Ekonomiki Zloz.  
(Poland--Gravel)

(EEAI 9:8)

BOBROWSKI, Wladylaw

Research on the gravels of the Dunajec River from the Tatra  
down to its mouth. Przegl geod 10 no.12:641-645 D '62.

1. Katedra Geologii i Ekonomiki Zloz, Uniwersytet, Warszawa.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBROWNICKI, Wladzimierz

A forgotten anniversary. Przem chem 43 no. 2: 111 F '64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

BOBROWSKI, Wladyslaw; CHMIELEWSKI, Stefan

Elastic ligation in the treatment of rectal fistula. Pol. przegl.  
chir. 37 no.10:972-974 O '65.

1. Z I Kliniki Chirurgicznej Wojskowej AM w Lodzi (Kierownik:  
dr. S. Chmielewski).

*BOBROWSKI, ZBISLAW*

POLAND/Chemical Technology. Chemical Products and their Application. J-12  
Glass. Ceramics. Building Materials.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27664 p.

Author : Zdzislaw Bobrowski, Jarmusz Jablkowski.

Inst : Biuro Projektow Przemyslu Materiałów Budowlanych. Przedsiębiorstwo Państwowe Wyodrębnione.

Title : Method of Production of Solid or Hollow Glass Fiber Drawn from Semifree Meniscus.

Orig Pub: Polish patent 37690 of July 30, 1955.

**Abstract:** The molten glass mass flowing out from the bottom part of the glass receiver through a funnel shaped mouthpiece is drawn into fibers from the partly free surface of the meniscus, which guarantees the stability of the flow. Hollow fiber is produced by the same method, but an opening is made in the center of the mouthpiece, through which air is blown in. The produced glass fiber differs profitably from fiber produced by drawing of rods or by the centrifugal method by its uniform thickness.

Card : 1/1

-51-

ARKHIPENKO, D.K.; BOBR-SERGEYEV, A.A.; GRIGOR'YEVA, T.N.; KOVALEVA, L.T.

Possibility of filling octahedral structural positions in micas  
with univalent sodium cations. Dokl. AN SSSR 160 no.2:429-431  
Ja '65.  
(MIRA 18:2)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.  
Submitted September 14, 1964.

Bobrashkin, L.G.

127-58-5-17/30

AUTHORS: Zubarev, S.N., Bobrashkin, L.G., and Golovanov, G.A.

TITLE: Ways of Improving the Concentration Process in the Olenegorsk Plant (Puti usovershenstvovaniya skhemy obogashcheniya na Olenegorskoy fabrike)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 5, pp 55-59 (USSR)

ABSTRACT: Serious technological and constructional defects were discovered when the Olenegorsk Concentration Plant was opened. The iron content in the concentrate did not exceed 50 or 52%. As a result of additional investigations of the Mekhanobr Institute and practical experience of the Plant's specialists, the concentration process was rebuilt: an additional crushing of the ore down to 0.5 mm; a re-purifying of the magnetic concentrate, and an improvement of the dehydration cycle of the concentrate. The latter is now dehydrated in a special store-room by the natural drainage method. However, the process is still unsatisfactory. New improvements are suggested to attain 62% of iron content and 12 to 13% of silicon content in the concentrate; namely, development of a gravitational-magnetic

Card 1/2

127-58-5-17/30

Ways of Improving the Concentration Process in the Olenegorsk Plant

process and construction of a store-room, for averaging the content of ores, with a capacity of at least 100,000 tons. There are 3 diagrams, 5 tables, and 2 Soviet references.

ASSOCIATION: Gosudarstvennyy nauchno-tehnicheskiy komitet Soveta Ministrov SSSR (State Scientific-Technical Committee of the USSR Council of Ministers). Olenegorskoye rudoupravleniye (Olenegorsk Mine Administration)

AVAILABLE: Library of Congress

Card 2/2      1. Ores-Processing    2. Mines

BOBRUSHKIN, L.G.

127-58-5-19/30

AUTHORS: Bobrushkin, L.G.; V'yushinskiy, N.S., and Golovanov, G.A.,  
Engineers

TITLE: Dehydration of Concentrate in the Olenegorsk Plant (Obezvo-  
zhivaniye kontsentrata na Olenegorskoy fabrike)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 5, pp 62-66 (USSR)

ABSTRACT: The Institute "Mekhanobr", in designing the technological  
sequence of concentration processes at the Olenegorsk Plant,  
specified that the concentration of the product of the  
first-stage crushing, from 2 mm downwards, be followed by  
a filtration of the concentrate in drum vacuum-filters.  
At the start of plant operations, it turned out that the  
filters installed were not suited for the filtration of  
the concentrate. Some additional measures were then pro-  
posed by the Mekhanobr Institute, including dehydration  
by means of classifiers of various types. All these mea-  
sures were ineffective, until natural dehydration in store-  
rooms was applied. There are two 1,500 cu m settlers in  
the store-room and the water runs into a drainage network.  
This resulted in a sharp increase of the output of the dry-  
ing drums and a reduction of iron losses. The following

Card 1/2

Dehydration of Concentrate in the Olenegorsk Plant

127-58-5-19/30

conclusions are drawn from this experience: 1) dehydration store-rooms can be recommended when the structure and character of the concentrate permit it to drain naturally; 2) a dehydration store-room should be combined with the concentration building; hydraulic transport is preferred over conveyor transport; 3) the dehydration store-room can be used at the same time as a place for storing the concentrate.

There are 4 diagrams, 3 figures and 3 tables.

ASSOCIATION: Olenegorskoye rudoupravleniye (Olenegorsk Mine Administration)

AVAILABLE: Library of Congress

Card 2/2      1. Ores-Processing    2. Mines    3. Ores-Dehydration

KLYUCHKO, Aleksey Mikhaylovich, inzh.; BOBRUSHKIN, Leonid Grigor'yevich;  
ORLOV, M.P., red.; SIPPAGINA, Z.A., red.izd-va; KARASEV, A.I.,  
tekhn.red.

[Water and compressed air supply, heating and ventilation of  
ore-dressing plants] Vodovozdushnoe i teplovoe khozisistvo  
obogatitel'nykh fabril. Moskva, Gos.nauchno-tekhn.izd-vo  
lit-ry po gornomu delu, 1959. 205 p. (MIRA 13:2)  
(Metallurgical plants—Equipment and supplies)  
(Ore dressing)

VINOGRADOV, V.S., inzh.; AL'TSHULER, M.A., kand. tekhn. nauk; POLYAKOV, V.G., inzh.; KUROCHKIN, A.N., inzh.; KARMAZIN, V.I., doktor tekhn. nauk; ZAIKIN, S.A., inzh.; OSTROVSKIY, G.P., inzh.[deceased]; NAUMENKO, P.I., inzh.; BOBRUSHKIN, L.G., inzh.; RUSTAMOV, I.I., inzh.; SHIFRIN, I.I., inzh.; GOLOVANOV, G.A., inzh.; KRASOVSKIY, L.A., inzh.; TSIMBALENKO, L.N., inzh.; RAVIKOVICH, I.M., inzh.; BAZILEVICH, S.V., kand. tekhn.nauk; ZORIN, I.P., inzh.; ZUBAREV, S.N., inzh.; TIKHOVIDOV, A.F., inzh.; SHITOV, I.S., inzh.; GAMAYUROV, A.I., inzh.; KUSEMBAYEV, Kh.N., inzh.; DEKHTYAREV, S.I., inzh.; VORONOV, I.S., inzh.; BURMIN, G.M., inzh.; BARYSHEV, V.M., inzh.; GOLOVIN, Yu.P., inzh.; MARCENKO, K.F., inzh.; FYCHKOV, L.F., inzh.; NESTERENKO, A.M., inzh.; KABANOV, V.F., inzh.; PATRIKEYEV, N.N., inzh.[deceased]; ROSSMIT, A.F., inzh.; SOSEDOV, O.O., inzh.; POKROVSKIY, M.A., inzh., retsenzent: POLOTSK, S.M., red.; GOL'DIN, Ya.A., glav. red.; GOLUBYATNIKOVA, G.S., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Iron mining and ore dressing industry] Zhelezorudnaia promyshlennost'. Moskva, Gosgortekhizdat, 1962. 439 p.

(MIRA 15:12)

1. Moscow. Tsentral'nyy institut informatsii chernoy metallurgii.  
(Iron mines and mining) (Ore dressing)

BOBRUYKO, V.D.

Late results of tissue therapy in hearing disorders. Vrach.  
delo no.12:1315 D '56. (MIRA 12:10)

1. Klinika bolezney ukha, gorla i nosa (i.o.zav. - dotsent M.I.  
Marshin) Odesskogo meditsinskogo instituta.  
(EAR--DISEASES) (TISSUES--TRANSPLANTATION)  
(TISSUE EXTRACTS)

BOBRUYKO, V.D.,

Tissue therapy in chronic suppurative otitis. Vrach.delo no.9:973-975  
S'58 (MIRA 11:10)

1. Klinika bolezney ukha, gorla i nosa (zav. - prof. L.A. Zaritskiy)  
Odesskogo meditsinskogo instituta.  
(TISSUE EXTRACTS)  
(EAR—DISEASES)

GARSHIN, M.I., dotsent: BOBRUYKO, V.D.

Effect of ionizing radiation on the function of the auditory analyisor. Zhur. ush., nos. i gorl. bol. 23 no.1:36-41 Ja-F '63. (MIRA 17:2)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - zasluzhenny deyatel' nauki prof. L.A. Zaritskiy) i kafedry rentgenologii i radiologii (zav. - prof. Ye.D. Dubovyy) Odesskogo meditsinskogo instituta imeni N.I. Pirogova.

*Bobryakov, G. I.*

123-1-1490

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957,  
Nr 1, p. 215 (USSR)

AUTHORS: Bobryakov, G. I., Intyakov, N. G.

TITLE: New Design of Platinum-Rhodium and Platinum Thermocouple  
(Novaya konstruktsiya platinorodiy-platinovoy termopary)

PERIODICAL: In Sbornik: Voprosy liteynogo proizvodstva i termich.  
obrabotki chuguna. Moscow, Mashgiz, 1956, pp. 55-57

ABSTRACT: Description is given of a platinum-rhodium and platinum  
thermocouple to measure temperatures of liquid (1200-1600°)  
cast iron and steel. A distinctive feature of this thermo-  
couple designed by the authors, is the construction of the  
tip of which there are two versions. The thermo-electrodes  
insulated by a porcelain double tube for a length not less  
than 100 mm and in the remaining portion - by a small  
porcelain tube, - are placed in a steel pipe, on the other  
end of which a clamp-box is mounted. A 100-110 mm quartz  
tip, set in a steel pipe and filled with aluminum oxide  
 $Al_2O_3$ , is placed at the hot junction. The steel pipe is

Card 1/2

New Design of Platinum-Rhodium and Platinum Thermocouple (Cont.) 123-1-1490  
covered with a graphite socket from which the quartz tip protrudes 50-60 mm. In the 2nd version which is designed for measurement of temperature of large volumetric quantities an extension graphite jacket is provided. The advantages of this design are the lower thermal lag and a protection of the electrodes in the event the tip is destroyed. The tip can withstand 5-6 measurements of 15 to 18 seconds duration each. The thermocouple was successfully used under shop conditions.

Card 2/2

Ch.I.I.

BOBRYAKOV, G. I. Cand Tech Sci (diss) "Study of ~~casting~~ casting systems used in the ~~auto~~-tractor industry for ~~making gray iron casts,~~ " "making gray iron casts," 15 pp 20 cm. (USSR Min Higher Ed. Mos ~~Automotive~~ <sup>Chemical</sup> Inst. Chair of Machines and Technology <sup>of USSR</sup> Casting Industry") 110 copies (KL, 11-57, 98)

SOV/137-57-10-19241

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 10, p 114 (USSR)

AUTHOR: Bobryakov, G.I.

TITLE: Calculation of Gate Systems for Gray Iron Castings (Raschet litnikovykh sistem dlya otlivok iz serogo chuguna)

PERIODICAL: Tekhnol. avtomobilestroyeniya, 1957, Nr 1, pp 27-32

ABSTRACT: It is proposed to make gate systems (GS) with local resistances (sieves or throttles) at the base of the sprue. This assures the "sealing" of the GS and, on the other hand, that the metal will have a low linear velocity on emerging from the feeding gates (F), the cross section of which is therefore made larger than that of the local obstacles. The cross section of the latter,  $F_y$ , is determined by the customary hydraulic equation. The cross section in the upper portion of the riser is determined in accordance with the equation  $F_r > F_y \sqrt{H/h_c - h}(1 + \zeta_r)$ , where  $H = h_r + h_c$  is the total head,  $h_c$  is the height of the pouring basin,  $h$  is the given piezometric head (PH) in the sprue, in cm,  $\zeta_r$  is the hydraulic loss in the riser. Calculations and experiments show that when  $H = 100-300$  mm,  $F_r \approx (1.2-1.4)F_y$ . Calculation of the cross section of the slag riser (S) is based on the assumption that if the slag particles are not to go in suspension the

Card 1/2

SOV/137-57-10-19241

**Calculation of Gate Systems for Gray Iron Castings**

rate of flow should not exceed the critical. Experiments with transparent models showed the value of  $V_{cr}$  to be 37 cm/sec for simple GS and 45 cm/sec for GS with a vertical throttle. The total cross section of the F is calculated so that the required PH will be attained therein and the rate of flow will be  $\leq V_{cr}$ . It may be determined by an equation derived from the Bernoulli equation:

$$F_s / \Sigma F_f = \sqrt{1/(1+\sum \zeta_f + P_s g / \gamma V_s^2 (1+\sum \zeta_f)) - \lambda l_s / R_h (1+\sum \zeta_f)}$$

where  $F_s$  is the cross section of a single arm of the S,  $\Sigma F_f$  is the total cross section of the F of a single arm of the GS,  $P_s / \gamma$  is the given PH in cm;  $V_s$  is the rate of flow in the S in cm/sec;  $l_s$  is the length of the S in cm;  $R_h$  is the hydraulic radius of the S,  $\lambda$  is the loss factor per unit length (0.04-0.06), and  $\sum \zeta_f$  is the coefficient of the total resistance of all the F. The equation shows that the greater the hydraulic losses in the S and the F, the lower the  $F_s / \Sigma F_f$  ratio may be taken to be. Therefore, in the case of branching systems where hydraulic losses are high,  $\Sigma F_f$  may be several times greater than  $F_s$ , in which case the system will remain full. Graphs and nomograms are presented for expediting calculations with the aid of these equations. Certain recommendations for F design are presented.

Card 2/2

S.O.

ZOBRYAKOV, G.I.

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Mémoires sur l'agriculture dans les deux Indes

Friedman) 1927, Madras, 1927. 152 p. 6,000 copies printed.

**REFERENCES:** This book is selected for examining parts 1 or 2 of *Handbooks*, and contains a complete research bibliography.

**CONTENTS.** This book is a collection of articles and papers given by representatives of plants, scientific-research institutes, and universities on problems of automated methods of production and modernization of the foundry industry at a conference organized by the Kyiv Branch of the All-Union Scientific Engineering Bureau.

of the machine-building industry and the Institute of Mechanical Engineering at Moscow. In addition to theoretical and technical studies carried out at the Institute, there is considerable practical experience in the field of mechanical engineering, particularly in the field of automation. The Institute has a large number of research laboratories, including a laboratory for the study of automation problems, a laboratory for the study of materials, a laboratory for the study of production processes, and a laboratory for the study of production management. The Institute also has a large number of research workers, including a number of professors and a number of research assistants. The Institute has a large number of research workers, including a number of professors and a number of research assistants. The Institute has a large number of research workers, including a number of professors and a number of research assistants.

The formation of a secondary structure is either a process or a result of protein folding. Since proteins have a primary structure, they also have a secondary structure. The secondary structure of a protein may take the form of a helix, a beta sheet, or a random coil. The secondary structure of a protein may be described as "regular" or "irregular". The secondary structure of a protein may be described as "regular" or "irregular".

and the other two were not entitled to receive any compensation.

*Practical, B. E., Engineer. Mechanical Holding of Large Steel*

SCHILLER. V. 1. 1800-1801. PLATES. GENEVA

**Lyndon, F.-Y., Mariner.** Use of Charcoal as an Anti-oxidizing Agent in Casting of Large-sectioned Steel and Cast Iron

**APRIL 15, 1944.** CHARLES E. CHAMBERS, Chairman of Technical Sciences. Casting in Quick-Cure Molds

**Subbarao, B.-V.**, *Chairman of Technical Sciences, Engineer, and  
S. T. Mortuary Engineer—Bureau of Investigation and Introduction  
of Mortuary Death Systems in Mass Production.*

RABINOVICH, B.V., dotsent, kand.tekhn.nauk; BOBRYAKOV, G.I., kand.tekhn.nauk;  
NIKOL'SKIY, V.M., inzh.

Investigating hydraulic resistance of molds. Izv.vys.ucheb.zav.;  
mashinostr. no.4:64-72 '60. (MIRA 14:4)

1. Moskovskiy avtomekhanicheskiy institut.  
(Molding (Foundry))

BOBRYAKOV, G.I., kand.tekhn.nauk

Making gates at gating systems for gray iron casting. Izv.vys.  
ucheb.zav.; mashinostr. no.4:73~79 '60. (MIRA 14:4)

1. Moskovskiy avtomekhanicheskiy institut.  
(Founding)

BEL'SKIY, Ye.I., dots., kand. tekhn. nauk; DMITROVICH, A.M., dots.,  
kand. tekhn. nauk; INTYAKOV, N.G., dots., kand. tekhn. nauk;  
KAZACHENOK, V.I., dots., kand. tekhn. nauk; CHAYKA, V.A.,  
dots., kand. tekhn. nauk; BOBRYAKOV, G.I., kand. tekhn. nauk,  
retsenzent; KHUDOKORMOV, D.N., kand. tekhn. nauk, retsenzent

[Technology of the hot-working of metals]Tekhnologija goria-  
chei obrabotki metallov. [By] E.I.Bel'skii i dr. Minsk,  
Izd-vo M-va vysshego, srednego spetsial'nogo i professional'-  
nogo obrazovaniia BSSR, 1962. 295 p. (MIRA 15:10)

1. Nauchno-issledovatel'skiy tekhnologicheskiy institut avto-  
mobil'noy promyshlennosti, Minskiy filial (for Bobryakov,  
Khudokormov).

(Forging) (Founding) (Welding)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

BOBRYAKOV, G.I.; INTYAKOV, N.G.

Jolt-squeeze method of mold ramming. Lit.proizv. no.7:34 J1  
'62. (MIRA 16:2)  
(Molding (Founding))

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

BABUSHKIN, B.V.; BORRYAKOV, G.I.; PAVLYUK, V.A.

Coremaking with solidification in hot boxes. Lit.proizv. no.4:6-7  
Ap '63. (MIRA 16:4)

(Coremaking)

BOBRYAKOV, G.I.; KOMAROV, O.S.

Hydraulic impact in foundry molds. Lit. proizv. no. 6:37-38  
Ja '63. (MIRA 16:7)

(Founding)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1

AFANASYUK, I.N.; BOBRYAKOV, G.I.; INTYAKOV, N.G.; KOLEDA, S.V.;  
STETYUKEVICH, I.P.; KHODIN, A.I.

Automatic proportioning and simultaneous application in layers  
of the facing and backing sand on the pattern. Lit. proizv. no.6:  
6-8 Je '64. (MIRA 18:5)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205710005-1"

BORRYAKOV, V.

Efficiency of converting the "Bor" type steamboats into  
motor ships. Rech. transp. 24 no.6:28 '65. (MIRA 18:8)

1. Zamestitel' direktora Nevskogo sudoremontno-sudostroitel'nego  
zavoda.

BOBRYAKOVA, L.A.

KBP-2 grubber-bulldozer and loader. Trakt. i sel'khozmash. no.9:38-39  
S '65. (MIRA 18:10)

1. Severo-Zapadnaya mashinocistyatel'naya stantsiya.

~~BOBYANSKIY, A.F.; ANDREYEV, P.F.; BOGOMOLOV, A.I.~~

Some regularities of the composition of petroleums. Trudy VNIGRI  
no.123:12-29 '58. (MIRA 11:12)  
(Petroleum)

Bobrychev, F.I.

USSR / Cultivated Plants: Potatoes! Vegetables, Melons. M

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34687

Author : Bobrychev, F.I.  
Inst : Stavropol'skiy Agricultural Institute.  
Title : Use of Fertilizers for Potato Crops in the  
Zone of Unstable Humidity of Stavropol'.

Orig Pub : Tr. Stavropol'sk. s. kh. in-ta, 1956, vyp. 7,  
135-141.

Abstract : Effectiveness of fertilizers and the amount of  
yield in zones of inadequate humidity depend  
on weather conditions. Local spreading of  
 $N_{45}P_{50}K_{50}$  in spring plantings of potatoes, in-  
creased the yield of early and medium-early va-  
rieties by 20 to 25%, but local spreading of  
various amounts of quick manure, alone and com-  
bined with mineral fertilizers, had almost no

Card 1/2

NIZNIKOWSKA-MARKS, Maria Janina; CZOCHANSKA, Jagna; BOBRYCKA, Danuta.

A case of dystonic form of hepato-lenticular degeneration. Pediat.  
polska 35 no.7:787-792 Jl '60.

1. Z Kliniki Diagnostyki Chorob Dzieci Kierownik: prof. dr med.  
Z.Lejmbach  
(HEPATOLENTICULAR DEGENERATION in inf & child)

L 54787-65 EWI(1) IJP(c)  
ACCISSION NR: AP5013996

UR/0048/65/029/005/0808/0814

AUTHOR: Bobykin, B.V.; Kel'man, V.M.; Mednikova, L.S.

TITLE: Deflecting properties and dispersion of an electrostatic prism spectrometer/Report, 15th Annual Conference on Nuclear Spectroscopy and the Structure of Atomic Nucleus held in Minsk, 25 Jan-2 Feb 1965

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.29, no.5, 1965,  
808-814

TOPIC TAGS: electron optics, electrostatic prism, spectrometer, relativistic electron

ABSTRACT: In this paper the authors present further calculations concerning a previously proposed electrostatic prism spectrometer (V.M. Kel'man and I.V. Rodnikova, Zh.tekhn.fiz.32, 279, 1968). Formulas are derived for the dispersion, the deviation, and the condition for minimum deviation with relativistic effects taken into account. Families of curves relating certain of the parameters are presented; these

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ACCESSION NR: AP5013996

should facilitate preliminary design calculations. At nonrelativistic energies the dispersion  $E dx/dE$  ( $E$  is the particle energy and  $x$  is the image position) becomes infinite for certain parameter values, and it is concluded that dispersions of several meters can be realized without difficulty. At relativistic energies it is advantageous so to design the prism that the electrons are decelerated rather than accelerated in it. Orig.art.has: 16 formulas, 6 figures and 2 tables.

ASSOCIATION: Institut yadernoy fiziki Akademii nauk KazSSR (Nuclear Physics Institute, Academy of Sciences of the Kazakh SSR)

SUBMITTED: 00

ENCL: 00

SUB CODE:OP,EM

NR REF Sov: C02

OTHER: 000

Card 2/2

MIKHALENKO, F.P.; BOBRYNIN, B.N.

Effect of dulling of cutter edges on the power required for  
stamping and punching. Kuz.-shtam. proizv. l no.8:6-8 Ag '59.  
(MIRA 12:12)  
(Sheet-metal work--Equipment and supplies)

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BOBRYNIN, B. N., Cand Tech Sci -- (diss) "Research into a stamping process of metal blanks -- piercing of sheet laminated and fibrous plastics." Gor'kiy, 1960. 28 pp; with illustrations; (Ministry of Higher and Secondary Specialist Education RSFSR, Gor'kiy Polytechnic Inst im A. A. Zhdanov); 150 copies; price not given; list of author's work at end of text (10 entries); (KL, 28-60, 160)

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